

Converting Colors

$Y_{xy}(33.2155, 0.3421, 0.5620)$

Have a look what the booklet for
Yxy(33.2155, 0.3421, 0.5620)
contains.

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Color

Yxy(33.1709, 0.3424, 0.5618)

Conversions

Conversions Part 1

Format	Color
Hex	60AF0B
RGB	96, 175, 11
RGB Percent	38%, 69%, 4%
CMY	0.6234, 0.3137, 0.9565
CMYK	0.45, 0.00, 0.94, 0.31
HSL	89°, 88%, 36%
HSV	89°, 94%, 69%
XYZ	20.2167, 33.1709, 5.6564
YIQ	132.6830, 5.5600, -67.7520

Conversions

Conversions Part 2

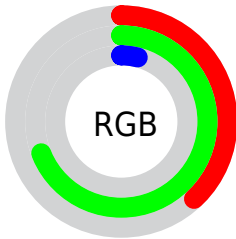
Format	Color
RYB	11, 175, 90
Decimal	6336267
CIELab	64.30, -47.65, 63.82
CIELCh	64, 79.648, 126.747
Yxy	33.1709, 0.3424, 0.5618
Android (android.graphics.Color)	4284526347 (0xFF60AF0B)
YUV	132.6830, -59.9897, -32.1710
Hunter-Lab	57.5942, -38.1329, 34.4930

Details

The Yxy color **33.1709, 0.3424, 0.5618** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5.5145, 0.2063, 0.0941**, and the grayscale version is **23.5620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4886, 0.3445, 0.5151**, and **14.2424, 0.3138, 0.5891** is the 20% darker color. If you saturate the color by 10%, you get **32.8674, 0.3394, 0.5687**, and if you desaturate by 10%, it is **33.7171, 0.3462, 0.5478**.

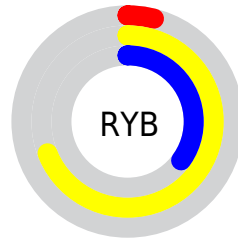
Distribution



Red (38%)

Green (69%)

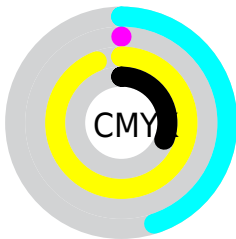
Blue (4%)



Red (4%)

Yellow (69%)

Blue (35%)

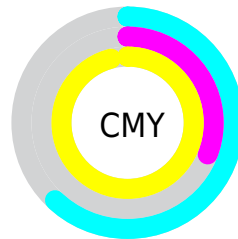


Cyan (45%)

Magenta (0%)

Yellow (94%)

Black (31%)



Cyan (62%)


Magenta (31%)


Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.1709, 0.3424, 0.5618 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 33.1709, 0.3424, 0.5618 by changing the saturation by 10% instead.


 33.1709, 0.3424,
0.5618


 33.1709, 0.3424,
0.5618


316.4191, 0.3380,
0.4350


 22.2574, 0.3377,
0.5937


 64.6423, 0.3446,
0.5147


 14.0462, 0.3276,
0.6328


 85.9689, 0.3442,
0.4971

 8.1528, 0.3110,
0.6890


 111.5354, 0.3433,
0.4824

 4.1929, 0.2664,
0.7336

 141.7261, 0.3423,
0.4699

 1.7820, 0.1608,
0.8392

 176.9254, 0.3412,
0.4593

 0.4759, 0.0000,
1.0000

 217.5178, 0.3401,

 0.0000, 0.0000,

0.4500

0.0000

263.8875, 0.3391,
0.4420

■ 33.1709, 0.3424,
0.5618

■ 33.1709, 0.3424,
0.5618

■ 32.8674, 0.3394,
0.5687

■ 33.7171, 0.3462,
0.5478

■ 34.3613, 0.3479,
0.5285

■ 35.1138, 0.3474,
0.5046

■ 35.9819, 0.3449,
0.4775

■ 36.9724, 0.3407,
0.4486

■ 38.0912, 0.3352,
0.4193

■ 39.3438, 0.3289,
0.3906

■ 40.7354, 0.3222,
0.3632

■ 42.2709, 0.3152,
0.3378

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.1709, 0.4464, 0.5099



33.1709, 0.3424, 0.5618



33.1709, 0.2367, 0.5079

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.1709, 0.3424, 0.5618



33.1709, 0.1275, 0.1785



33.1709, 0.4835, 0.2743

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.1709, 0.3424, 0.5618



5.5145, 0.2063, 0.0941

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



33.1709, 0.3594, 0.2127



33.1709, 0.3424, 0.5618



33.1709, 0.1646, 0.1599

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.1709, 0.3424, 0.5618



33.1709, 0.1240, 0.2404



33.1709, 0.2415, 0.1726



33.1709, 0.5471, 0.3465

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.1709, 0.3424, 0.5618



33.1709, 0.1795, 0.4132



33.1709, 0.2415, 0.1726



33.1709, 0.4456, 0.2521

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.1723, 0.3424, 0.5618



69.3497, 0.3320, 0.4043



16.0505, 0.5360, 0.4059



15.2067, 0.3347, 0.4166



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.1723, 0.3424, 0.5618



58.7339, 0.3382, 0.5697



30.7994, 0.3011, 0.5939



9.1357, 0.3191, 0.3519



23.5744, 0.3402, 0.5681



0.6882, 0.3637, 0.5494

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



5.5145, 0.2063, 0.0941



8.8173, 0.1975, 0.0862



11.8314, 0.3131, 0.1522



7.9394, 0.3058, 0.3061



3.6134, 0.2004, 0.0878



0.1332, 0.2354, 0.1070

Previews

White Background



This preview shows how the Yxy color 33.1709, 0.3424, 0.5618 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 33.1709, 0.3424, 0.5618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.1709, 0.3424, 0.5618

Background



This preview shows how black text looks on a background with the Yxy color 33.1709, 0.3424, 0.5618.



This preview shows how white text looks on a background with the Yxy color 33.1709, 0.3424, 0.5618.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

33.1709, 0.3424, 0.5618

Protanopia

32.5566, 0.4408, 0.4882

Deuteranopia

32.5969, 0.4615, 0.4523



Tritanopia

33.1109, 0.2633, 0.3084

Trichromacy



Original Color

33.1709, 0.3424, 0.5618

Protanomaly

31.9604, 0.4017, 0.5177

Deuteranomaly

31.5640, 0.4159, 0.4944

Tritanomaly

32.1496, 0.3026, 0.4179

Monochromacy



Original Color

33.1709, 0.3424, 0.5618

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

25.8941, 0.3389, 0.4358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1709, 0.3424, 0.5618 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(96, 175, 11)` looks like.

```
.text, #text, p{  
    color:rgb(96, 175, 11)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(96, 175, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 175, 11) }
```

Border

The CSS property to change the border of an element to Yxy 33.1709, 0.3424, 0.5618 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 175, 11) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(96, 175, 11) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(96, 175, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 175, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 175, 11);  
box-shadow:4px 4px 4px 4px rgb(96, 175,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1709, 0.3424, 0.5618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 175, 11) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(96, 175,  
11) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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